

# HP Version Control 6.1.0 Release Notes

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# 1 What's new?

This chapter lists what is new for the HP Version Control Agent and HP Version Control Repository Manager releases.

Following are the product enhancements for the HP Version Control 6.1.0 March 2010 release:

HP Version Control Repository Manager (VCRM) adds the following enhancements with the current release:

- Support for the Linux Deployment Utility (LDU) retirement.
- Support for the new changes in the Version Control GUI to match the System Management Homepage (SMH) GUI.





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## 2 Features and change notification

The VCRM and the VCA are integrated with the SMH, which is the standard single-server management tool in the ProLiant Essentials Foundation Pack. HP Systems Insight Manager (HP SIM), also part of the ProLiant Essentials Foundation Pack, uses the VCRM and the VCA to facilitate software versioning, updates, and related tasks.

### VCA features

The VCA provides the following features:

- **Monitor Software.** Monitor software and firmware installed on a server
- **Compare Software Versions.** Provides easy version comparison from the repository to the server on which the VCA is installed
- **Install Software.** Install Custom Software Baselines, ProLiant and Integrity Support Packs, or individual or multiple software components

### VCRM features

- **Manage Software.** Manage software from HP that is stored in a repository
- **Automatic Updates.** Proactively receive new HP ProLiant software as it is made available
- **Upload Support Packs.** Upload a Support Pack to the repository from a CD or other accessible media
- **Create Custom Software Baselines.** Create your own software baseline



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# 3 Requirements

## VCA for Windows requirements

### System requirements

To install the VCA on a Windows system, the system must meet the following minimum requirements.

### Supported hardware and software

- Supported operating systems
  - Windows Server 2003 with Service Pack 2
  - Windows Server 2003 R2
  - Windows Server 2003 ES for 64-bit Extended Systems (starting with the ProLiant Support Pack 7.2 and later)
  - Windows Server 2003 64-bit Enterprise Edition
  - Windows Server 2003 for Itanium-based systems, 64-bit
  - Windows Storage Server 2003
  - Windows Unified Data Storage Server 2003 x64 Edition
  - Windows Unified Data Storage Server 2003 x64 Edition R2
  - Windows Server 2008
  - Windows Server 2008 R2
  - Windows Server 2008 R2 Foundation
  - Windows Server 2008 for Itanium-based systems
  - Windows Server 2008 x64
  - Windows Vista
  - Windows XP Professional, XP 32-bit and 64-bit edition
- Server software
  - TCP/IP installed
  - SMH installed (starting with the ProLiant Support Pack 7.2 and later)
- Hardware
  - ProLiant Server
  - Windows Integrity Servers
- Disk space
  - 11 MB on the Windows *SystemDrive*  
**Note:** The VCA installer can require up to 12 MB of additional free space on your Windows *SystemDrive* to complete the installation.
  - 70 MB for Integrity servers
- System memory
  - 256 MB of RAM for Windows Server 2003
  - 256 MB of RAM for Windows 2003 Server ES for 64-bit Extended Systems (starting with the ProLiant Support Pack 7.2 and later)
  - 256 MB of RAM for Windows 2003 Server 64-bit Edition (starting with the ProLiant Support Pack 7.2 and later)

## Client requirements

Requirements for client access to the VCA are outlined.

### Hardware and software

- Operating system
  - Windows Server 2003 with Service Pack 2
  - Windows XP
  - Windows Server 2008
  - Windows Server 2008 R2
  - Windows Server 2008 R2 Foundation
  - Windows Vista
- Browser
  - Internet Explorer 8.0
  - Internet Explorer 7.0
  - Internet Explorer 6.0 with Service Pack 1 or later
  - Mozilla 1.6 or later
  - Firefox 1.0 or later
- System memory
  - 256 MB of RAM for Windows XP or Windows Server 2003

## VCA for Linux requirements

### System requirements

To install the VCA on a Linux system, the system must meet the following requirements.

### Supported hardware and software

- Operating systems
  - Novell Open Enterprise Server (OES) with Service Pack 2
  - Red Hat Enterprise Linux 5 for x86, Update 4
  - Red Hat Enterprise Linux 5 for x86, Update 3
  - Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T, Update 4
  - Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T, Update 3
  - Red Hat Enterprise Linux 4 for x86, Update 8
  - Red Hat Enterprise Linux 4 for x86, Update 7
  - Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T, Update 8
  - Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T, Update 7
  - Red Hat Enterprise Linux 3 Update 3 for x86, Update 9
  - Red Hat Enterprise Linux 3 Update 3 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later), Update 9
  - SUSE Linux Enterprise Server 11 for x86 and AMD64/EMT64T
  - SUSE Linux Enterprise Server 10 for x86, Service Pack 2
  - SUSE Linux Enterprise Server 10 for AMD64 and Intel EM64T, Service Pack 2

- SUSE Linux Enterprise Server 9 for x86, Service Pack 4
- SUSE Linux Enterprise Server 9 with Service Pack 4 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later)
- Server software
  - SMH (`hpsmh RPM`) installed
  - HP Server Management Application and Agents (`hpasm RPM`) 7.00 or later required for software inventory and status features to be functional
- Hardware
  - ProLiant Server
- Disk space
  - 36 MB
- System memory
  - 256 MB of RAM
- HP Server Management Drivers and Agents
  - `hpasm RPM` 7.0 or later

**Note:** The SNMP services must be active with at least one community string defined to allow read access, must be configured for software inventory and status features to be functional.

## Client requirements

Requirements for client access to the VCA from Linux operating systems are outlined.

### Hardware and software

- Supported Operating Systems
  - Novell Open Enterprise Server (OES) with Service Pack 2
  - Red Hat Enterprise Linux 5 for x86, Update 4
  - Red Hat Enterprise Linux 5 for x86, Update 3
  - Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T, Update 4
  - Red Hat Enterprise Linux 5 for AMD64 and Intel EM64T, Update 3
  - Red Hat Enterprise Linux 4 for x86, Update 8
  - Red Hat Enterprise Linux 4 for x86, Update 7
  - Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T, Update 8
  - Red Hat Enterprise Linux 4 for AMD64 and Intel EM64T, Update 7
  - Red Hat Enterprise Linux 3 Update 3 for x86, Update 9
  - Red Hat Enterprise Linux 3 Update 3 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later), Update 9
  - SUSE Linux Enterprise Server 10 for x86, Service Pack 2
  - SUSE Linux Enterprise Server 10 for AMD64 and Intel EM64T, Service Pack 2

- SUSE Linux Enterprise Server 9 for x86, Service Pack 4
- SUSE Linux Enterprise Server 9 with Service Pack 4 for AMD64 and Intel EM64T (starting with the ProLiant Support Pack 7.2 and later)
- Browsers
  - Internet Explorer 8.0
  - Mozilla 1.7 (local or remote access) or later
  - Firefox 1.0 or later
- System memory
  - 128 MB of RAM

**Note:** You can browse to a Linux server from a Windows system using Internet Explorer 6.0 or higher.

## VCRM for Windows requirements

### System requirements

To install the VCRM, the computer must meet the minimum requirements listed.

### Supported hardware and software

- Operating system
  - Windows Server 2003
  - Windows Server 2003 ES for 64-bit Extended Systems
  - Windows Server 2003 64-bit Enterprise Edition
  - Windows Unified Data Storage Server 2003 x64 Edition
  - Windows XP Professional with Service Pack 2 for x86
  - Windows Server 2008
  - Windows Server 2008 R2
  - Windows Server 2008 R2 Foundation
  - Windows Vista
- Browser
  - Firefox 1.0 or later
  - Internet Explorer 8.0
  - Internet Explorer 7.0
  - Internet Explorer 6.0 with Service Pack 1 or later
- Server software
  - TCP/IP installed
  - SMH installed
- Hardware
  - ProLiant Server
  - HP Business Desktops
  - Windows Integrity Servers

- Disk space
  - 14-15 MB (Installation files only)
  - 200 MB in the VCRM installation drive for temporary ProLiant or Integrity Support Pack extraction
  - 2 GB for the repository. This must be on a local, writeable drive.
- System memory
  - 256 MB for Windows XP and Windows Server 2003




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**IMPORTANT:** The disk space requirements previously mentioned are specific to the installation of the VCRM. The size of the repository depends on the files contained in the repository directory. Each ProLiant or Integrity Support Pack executable, which is downloaded automatically if the autoupdate feature is enabled, is approximately 100 MB in size and extracts to approximately 200 MB in size. If you are downloading multiple ProLiant or Integrity Support Packs, then you can multiply this size by the number of ProLiant or Integrity Support Packs you are downloading in your repository to determine how much disk space is required.

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## Client requirements

Minimum requirements for client access to the VCRM are outlined.

### Hardware and software requirements

- Operating system
  - Windows Server 2003
  - Windows XP
  - Windows Server 2008
  - Windows Server 2008 R2
  - Windows Server 2008 R2 Foundation
  - Windows Vista
- Browser
  - Internet Explorer 6.0 with Service Pack 1 or later
  - Internet Explorer 7.0
  - Internet Explorer 8.0
  - Mozilla 1.6 or later
  - Mozilla 3.0

**Note:** Uploading software by way of the Mozilla browser interface is not supported.
- System memory
  - 256 MB of RAM for Windows XP or Windows Server 2003





## 4 Issues and workarounds

The VCRM and VCA undergo rigorous testing before releasing any given version of the product. From HP test activities to date, the following items have been uncovered that you should keep in mind.

### VCRM

- Issue:** Auto update appears to complete successfully, but no files are downloaded.  
**Description:** This situation can occur when no VCA is configured to use the VCRM and no operating system is selected in (Download Integrity Support Packs and ProLiant Support Packs) settings page in VCRM.  
**Workaround:** To resolve the issue, you must configure at least one VCA to use the VCRM or use the VCRM's **Configure repository and update settings** option and click **Next** to open **Download Integrity Support Packs and ProLiant Support Packs** settings page in VCRM and select any operating system from the list to be downloaded by the auto update process.
- Issue:** Selecting Support Pack selects all the components contained in that support pack.  
**Description:** When creating a Custom Software Baseline, if you select a Support Pack, it selects all the components contained in that Support Pack.  
**Workaround:** You can deselect a component from the Support Pack if you do not want to include it.
- Issue:** Uploading PSP or ISP from IE 5.5 SP 1 or earlier browsers produces an invalid support pack in the catalog.  
**Description:** If a ProLiant or Integrity Support Pack is uploaded from a system using Internet Explorer 5.5 with Service Pack 1 or earlier, the upload window shows that the upload process is complete. However, the copied components are corrupted, thus producing an invalid support pack in the catalog. These corrupted components do not get replaced with any subsequent uploads, even if they are uploaded from a supported browser.  
**Workaround:** HP recommends that you stop the VCRM service, locating the repository folder, deleting the corrupted files, and restarting the VCRM service. Perform an upload from a system with Internet Explorer 6.0 Service Pack 1 or higher.
- Issue:** Using the CERN proxy.  
**Workaround:** If you are using the CERN proxy, HP recommends configuring the VCRM to use the HTTP proxy port instead of the FTP proxy port.
- Issue:** Proxy Feature Testing.  
**Description:** The following proxy applications were used in the testing of the VCRM Automatic Update feature using a proxy server. Most of the testing was with default proxy setups and various security settings. However, different users can define their own site-specific security rules and configure their own proxy servers in many different ways.

Proxy Application	User Authentication with Password	IP Address Authentication	Pass/Fail	Remark
Microsoft ISA server	Yes	Yes	Pass	
Microsoft ISA	No	Yes	Pass	
WinProxy	NA	Yes	Pass	
Wingate	Yes	Yes	Fail	Uses Java Authentication

- Issue:** The VCRM displays a single driver although two drivers are present.  
**Description:** Both drivers are displayed in the Software version control table and are shown in the Installed Version column in the VCA.

The component packs that are affected include the following:

- CP003718 – Contains Cpqcissm.sys and Cpqcissme.sys drivers
- CP003746 – Contains Sysmgmt.sys and Cpqasm.sys drivers
- CP003745 – Contains Sysmgmt.sys and Cpqasm2.sys drivers
- **Issue:** After successfully configuring a component in the VCRM, the Catalog page displays an invalid icon next to the Support Pack until the Catalog is automatically refreshed.  
**Workaround:** Refresh the VCRM catalog page to display the proper status (green flag).
- **Issue:** When attempting to save the VCRM log, the following Internet Explorer message appears, Internet Explorer cannot download clrlogwiz&logsave&equals;true from the local host.  
**Description:** This error is caused by a browser setting that is preventing you from writing to the log file.  
**Workaround:** HP recommends:
  1. From Windows Explorer, click **Tools**→**Internet Options**→**Advanced**.
  2. Under the **Security** section, deselect **Do not save encrypted pages to disk**.
  3. Click **OK**. The settings are saved.

## VCA

- **Issue:** Failed VCA installation event recorded in the Windows Event Log.  
**Description:** When a VCA upgrade from previous versions of VCA is executed through VCA 2.2.820 individually or as part of an Integrity Support Pack upgrade, a failed VCA installation event is recorded in the Windows Event Log.  
**Workaround:** The functionality of VCA is not impacted. Restart the VCA service once the upgrade is complete. But, for any subsequent uninstallation or reinstallation of the new VCA version, reboot the system.
- **Issue:** A system running HP Insight Management Agents on a named Windows 2003 account, the VCA upgrade does not finish successfully.  
**Description:** The VCA is designed to be installed and running on the local system account on Windows for performing installation tasks.
- **Issue:** A system installed using SmartStart 5.20 or earlier, components might display in the inventory for the hardware that is not physically installed in your system because of a conflict between SmartStart and the VCA for Windows.  
**Workaround:** SmartStart 6.20 or later is recommended.
- **Issue:** VCA does not accept HP SIM software update tasks if a previous software update task was terminated because of the VCA service stopping before completion.  
**Description:** This is because of HP SIM task reporting In Progress from the VCA.  
**Workaround:** HP recommends:
  1. Restart the VCA.
  2. Stop the HP SIM task that is reporting **In Progress**.
  3. Restart the HP SIM task. The task initiates and completes successfully.
- **Issue:** When a Windows Foundation Agent service or Linux Host agent (cmahostd) is stopped, the VCA status and Overall System Status are displayed as green indicating Normal, even if the real status indicates a Warning.
- **Issue:** When the SMH where the VCRM is installed allows Anonymous access, a VCA that is configured to use that VCRM can be configured on the Change Agent Settings page.  
**Description:** If the login information is incorrect for the VCRM system, it enables the settings to be saved, and inventory data at the VCA appears correct. However, software installations at that VCA fail because the secure login at the VCRM is rejected because of the incorrect settings.

- **Issue:** The memory utilization of the VCA increases as a result of installing software. Memory is released when the service restarts, for example, following installation of a complete ProLiant or Integrity Support Pack upgrade.
- **Issue:** When attempting to save the VCA log, the following Internet Explorer message appears, Internet Explorer cannot download clrlogwiz&logsave&equals;true from the local host.

**Description:** This error is caused by a browser setting that is preventing you from writing to the log file.

**Workaround:** HP recommends:

1. From Windows Explorer, click **Tools**→**Internet Options**→**Advanced**.
2. Under the **Security** section, deselect **Do not save encrypted pages to disk**.
3. Click **OK**. The settings are saved.



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# Support and other resources

## New and changed information in this edition

The following sections list what is new for the HP Version Control releases.

### March 2010, Version Control 6.1.0 release

Following are the product enhancements for the HP Version Control 6.1.0 March 2010 release:

HP Version Control Repository Manager (VCRM) adds the following enhancements with the current release:

- Support for the Linux Deployment Utility (LDU) retirement.
- Support for the new changes in the Version Control GUI to match the System Management Homepage (SMH) GUI.

### November 2009, Version Control 6.0 release

Following are the product enhancements for the HP Version Control 6.0 November 2009 release:

HP Version Control Agent (VCA) adds the following enhancements with the current release:

- Native x64 (64 bit) support.
- Support for Trusted Platform Module (TPM).

HP Version Control Repository Manager (VCRM) adds the following enhancements with the current release:

- Native x64 (64-bit) support.
- Support for a new VCRM command line interface for configuring the repository folder.
- Support for enabling the repository folder autoupdate using the command line interface.
- Support for multithreaded file download functionality.
- Support for a new GUI-based screen page for downloading Integrity Support Packs and ProLiant Support Packs.
- Support for data migration from one repository to another.

## Typographic conventions

<code>find(1)</code>	HP-UX manpage. In this example, "find" is the manpage name and "1" is the manpage section.
<i>Book Title</i>	Title of a book or other document.
<u><a href="#">Linked Title</a></u>	Title that is a hyperlink to a book or other document.
<u><a href="http://www.hp.com">http://www.hp.com</a></u>	A Web site address that is a hyperlink to the site.
<code>Command</code>	Command name or qualified command phrase.
<code>user input</code>	Commands and other text that you type.
<code>computer output</code>	Text displayed by the computer.
<b>Enter</b>	The name of a keyboard key. Note that <b>Return</b> and <b>Enter</b> both refer to the same key. A sequence such as <b>Ctrl+A</b> indicates that you must hold down the key labeled <b>Ctrl</b> while pressing the <b>A</b> key.
<b>term</b>	Defined use of an important word or phrase.
<code>variable</code>	The name of an environment variable, for example <code>PATH</code> or <code>errno</code> .
<code>value</code>	A value that you may replace in a command or function, or information in a display that represents several possible values.
<code>&lt;element&gt;</code>	An element used in a markup language.
<code>attrib=</code>	An attribute used in a markup language.

## Documentation

For more information regarding the VCA and VCRM, refer to the following sources:

- **HP Version Control Installation Guide.** This document provides information about installing and getting started using the VCA and VCRM. This guide includes an introduction to basic concepts, definitions, and functionality associated with the VCA and VCRM. This document is available on the HP Management DVD and at <http://h18013.www1.hp.com/products/servers/management/agents/documentation.html>.
- **VCA and VCRM Help System.** The help systems provide a complete set of documentation for using, maintaining, and troubleshooting the VCA and the VCRM. Download the VCA or VCRM Online Help in PDF format from <http://h18013.www1.hp.com/products/servers/management/agents/documentation.html>.
- **HP System Management Homepage Installation Guide.** The System Management Homepage Installation Guide provides information about installing and getting started using the SMH. This guide includes an introduction to basic concepts, definitions, and functionality associated with the VCA and VCRM. This document is available on the HP Management DVD and at <http://h18013.www1.hp.com/products/servers/management/agents/documentation.html>.

## For More Information

- **ProLiant Support Pack.** Download the VCRM and the latest ProLiant or Integrity Support Pack, which contains the latest VCA and the HP Remote Deployment Utility. Download the ProLiant Support Pack at <http://www.hp.com/servers/swdrivers> or the Integrity Support Pack at <http://www.hp.com/support/itaniumservers>.
- **Maintenance.** Read about maintenance and support of HP products to include customer advisories, knowledge bases, and more at <http://itrc.hp.com>.
- **Subscriber's Choice.** Receive proactive notification by email each day regarding new items that are available at <http://www.hp.com/go/subscribe-gate1>.

## Security bulletin and alert policy for non-HP owned software components

Open source software (such as OpenSSL) or third-party software (such as Java) are sometimes included in HP products. HP discloses that the non-HP owned software components listed in the HP Version Control end user license agreement (EULA) are included with HP Version Control.

To view the EULA, use a text editor to open the `eula_license.xml` file, and search for third-party software.

HP addresses security bulletins for the software components listed in the EULA with the same level of support afforded HP products. HP is committed to reducing security defects and helping you mitigate the risks associated with security defects when they do occur.

HP has a well-defined process when a security defect is found that culminates with the publication of a security bulletin. The security bulletin provides you with a high level description of the problem and explains how to mitigate the security defect.

## Subscribing to security bulletins

To receive security information (bulletins and alerts) from HP:

1. Open a browser to the HP home page: <http://www.hp.com>.
2. Click the **Support and Drivers** tab.
3. Click **Sign up: driver, support, and security alerts**, which appears under **Additional Resources** in the right navigation pane.
4. Select **Business and IT Professionals** to open the Subscriber's Choice web page.
5. Do one of the following:
  - Sign in if you are a registered customer.
  - Enter your email address to sign-up now. Then, select the box next to **Driver and Support alerts** and click **Continue**.

## Publishing history

This section provides the publishing history of the document.

**Table 1 Publishing history**

Manufacturing Part Number	Description	Edition Number	Publication Date
358191-406	Documentation for software version 6.1.0.	19	March 2010
358191-405	Documentation updates for Windows Integrity 6.5 release.	18	October 2009
358191-404	Documentation for software version 6.0.	17	November 2009
358191-403	Documentation for software version 2.2.0.	16	March 2009
358191-402	Documentation for software version 2.2.0.	15	January 2009
358191-401	Documentation for software version 2.1.10.	14	February 2008
358191-009	Documentation for software version 2.1.9.	13	February 2008
358191-008	Documentation for software version 2.1.8.	12	April 2007
358191-007	Documentation for software version 2.1.7.	11	January 2007
358191-006	Documentation for software version 2.1.4.	10	February 2006
358191-005	Documentation for software version 2.1.4.	9	August 2005
358191-004	Documentation for software version 2.0.8.	8	March 2005
358191-4	Documentation for software version 2.0.7.	7	August 2004
358191-3	Documentation for software version 2.0.6.	6	February 2004
358191-2	Documentation for software version 2.0.5. Original release.	5	December 2003

## HP Encourages Your Comments

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